**Geocaching** is an outdoor sporting activity in which the participants use a Global Positioning System (GPS) receiver or mobile device and other navigational techniques to hide and seek containers, called "geocaches" or "caches", anywhere in the world.  (Wikipedia)

A **scavenger hunt** is a game in which the organizers prepare a list defining specific items, using which the participants — individuals or teams — seek to gather all items on the list — usually without purchasing them — or perform tasks or take photographs of the items, as specified. (Wikipedia)

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| --- | --- | --- | --- | --- |
| **Cache** | **Coordinates** | **Heading** | **Clue** | **Solution** |
| 1 | 44.382210  -79.584106 | 98⁰  E | I am a square inside a circle. What fraction of me is mostly covered in moss? |  |
| 2 | 44.382771  -79.585648 | 108⁰  E | Each segment has 15 of “these” in parallel. What are “these”? |  |
| 3 | 44.381233  -79.587770 | 42⁰  N | I look like two sets of base ten blocks. Given their perimeters as constants, are both sets maximized for area? |  |
| 4 | 44.382484  -79.584045 | 38⁰  E | I have a greater than and less than symbol. I also have two red semi-circles. Which shape is my green part? |  |
| 5 | 44.382374  -79.585526 | 245⁰  SW | I’m spherish, I sit on a cylinder, attached to a two-dimensional shape, sitting on rectangular prism which sits on a larger rectangular prism. What is the name of the two-dimensional shape that I sit on? |  |
| 6 | 44.381519  -79.584595 | 300⁰  W | From your vantage point, looking at one set of green shapes bounded by red, if you were to graph what you see, what will be smaller, the x-axis or the y-axis? |  |
| 7 | 44.382999  -79.584099 | 62⁰  NE | What is the sixth letter of my name? |  |
| 8 | 44.382534  -79.585289 | 328⁰  NW | My second floor has six triangular prisms that sit like hats on second floor windows/doors. What is the name of the building? |  |
| 9 | 44.381531  -79.583595 | 247⁰  SW | Let x represent the number of parallel lines on one side and let y represent the number of parallel lines on the other. What is the value of |x-y| |  |
| 10 | 44.383152  -79.584167 | 303⁰  W | “White Birch” or “Betula Papyrifera” … which is larger? |  |
| 11 | 44.382221  -79.585220 | 189⁰  S | There are three of me here and I keep you from stumbling at night. What shape am I? |  |
| 12 | 44.381088  -79.584061 | 203⁰  S | I’m blue…da ba dee, da ba daa….How many sides do I have? |  |
| 13 | 44.382801  -79.584717 | 217⁰  S | I am a flying parabola…what am I? |  |
| 14 | 44.381886  -79.585777 | 115⁰  E | I am triangular made of squares. What is my area if one square is a unit? |  |
| 15 | 44.380852  -79.584091 | 183⁰  S | I can be used for a game of Limbo! There are a number of different levels. If I can only complete two of those levels, what fraction of the game have I completed? |  |
| 16 | 44.382988  -79.585670 | 264⁰  SW | The limit as x approaches me is heat. What am I? |  |
| 17 | 44.381699  -79.585907 | 114⁰  E | I look like two sets of base ten blocks. What is the area of one of these sets? |  |
| 18 | 44.380310  -79.584183 | 110⁰  E | I am a number. If I were expressed in kilometers, how many centimeters would I therefore represent? |  |